IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:)
Filing Date:)
Applicant(s):	Guoming G. Zhu)
Group Art Unit:)
Title:	An Ionization Detection System Architecture To Minimize PCM Pin Count)
Attorney Docket:	46107-0068	_))

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 are submitted for consideration by the Examiner in the examination of the above-identified patent application.

The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form PTO-1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form PTO-1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application.

Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

In re Appln. of Guoming G. Zhu Attorney Docket: 46107-0068

The I	formation Disclosure Statement is being filed:			
\boxtimes	(a) within three months of the filing date of the patent application, (b) within months of the date of entry into the national stage as set forth in 37 C.F.R. § 1.491 of international application, or (c) before the mailing date of a first Office Action of merits.	of the		
	after (a), (b), or (c) above, but before the mailing date of a final action under 37 C.F. 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, and includes:	ř.R. §		
	the Certification under 37 C.F.R. § 1.97(e) (see "Certification" below).			
	the fee of \$240 set forth in 37 C.F.R. § 1.17(p) (see "Fees" below).			
	after the mailing date of a final action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, and includes the Certification under 37 C.F.R. § 1.97(e) (see "Certification" below), a Petition requesting consideration of the Information Disclosure Statement (see "Petition" below), and the Petition Fee set forth in 37 C.F.R. § 1.17(i) (see "Fees" below).			
Copie	Of The References			
\boxtimes	Copies of the references listed on the enclosed Form PTO-1449 are enclosed here Attached to each reference not in the English language is a concise explanation of relevance pursuant to 37 C.F.R. § 1.98(a)(3).			
	A copy of the foreign search report is enclosed herewith.			
	The references listed on the enclosed Form PTO-1449 were previously identified in parent application(s) of the present application, and copies of the references furnished at that time. Accordingly, additional copies of the references are not submitted as not to burden the file with duplicate copies of references. The Examinis respectfully requested to carefully review the references in accordance with requirements set out in the Manual of Patent Examining Procedure. In accordance 37 C.F.R. § 1.98(d), the details of the parent application(s) relied upon for an earlier after the low:	were nitted miner n the with filing		

In re Appln. of Guoming G. Zhu Attorney Docket: 46107-0068

U.S. APPLICATIONS		Status (check one)		
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.0/				
2.0/				
3.0/				

Other Applications

The Examiner's attention is directed to the following U.S. patent application(s) (submitted herewith is a copy of each application specification including the claims, and any drawing of the application, or that portion of each application which caused it to be listed including any claims directed to that portion):

U.S. APPLICATIONS		Status (chec	k one)	
U.S. APPLICATIONS	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
1.10 /458,627	June 11, 2003		X	
2.0/				
3.0/				

Certification

The undersigned attorney hereby certifies that each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Information Disclosure Statement.
The undersigned attorney hereby certifies that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application or, to the knowledge of the attorney signing after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

In re Appln. of Guoming G. Zhu Attorney Docket: 46107-0068

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The undersigned attorney hereby petitions the Commissioner to consider this Information
Disclosure Statement and the references listed on the enclosed Form PTO-1449 in the
examination of the above-identified patent application.

Fees

No fee is owed by the applicant(s).

Authorization To Charge Additional Fees

If any additional fees are owed in connection with this communication, please charge Deposit Account No. 04-1061.

Respectfully submitted,

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FORM PTO-1449 INFORMATION DISCLOSURE CITATION (m dified)		Atty D cket: 4	6107-0068	Serial No.:			
		Applicant: Guo	ming G. Zhu				
		Filing Date:		Group:			
		U.S. PA	U.S. PATENT DOCUMENTS				
Examiner Initial	Document Number	Date	Name	Class	Sub- Class		ling ate
	4,444,172	04/1984	Sellmaier et al.	123	425		
	5,054,461	10/1991	Deutsch et al.	123	609	<u> </u>	
	5,309,888	05/1994	Deutsch et al.	123	609		
	5,377,484	01/1995	Shimizu	60	276		
	5,777,216	07/1998	Van Duyne et al.	73	116		
	6,123,057	09/2000	Goras et al.	123	406.2		
	6,138,653	10/2000	Juffinger	123	598		
	6,185,500 B1	02/2001	Ketterer et al.	701	111		
	6,246,952 B1	06/2001	Honda	701	111		
	6,492,818 B1	12/2002	Downs	324	382		
		FOREIGN F	PATENT DOCUMENTS				
Examiner Initial	Document Number	Date	Country	Class	Sub- Class	Trans Yes	lation No
	60-98171	06/1985	Japan				Х
	2-16367	01/1990	Japan				Х
	6-193534	07/1994	Japan				X
	OTHER DOCUM	MENTS (Including	Author, Title, Date, Pertin	nent Pages, etc	.)		
	Pin Count Of An I	ntegrated Ignition C	0/458,627, filed June 11, 20 Coil With Driver And Ionizati Geedback Signals," to Zhu e	on Detection Cir	cuit By Mul		

Examiner:	Date Considered:			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.